INDEX

MATHEMATICAL NOTES
Volumes 13-14, 1973

MATHEMATICAL NOTES Volumes 13-14, 1973

(A translation of Matematicheskie Zametkii)

A

Abramovich, Yu. A. - 973 Aizenshtat, A. V. - 948 Aliev, R. G. - 497 Andozhskii, I. V. - 626 Anikonov, Yu. E. - 840 Avetisyan, R. A. - 377

В

Babaitsev, V. A. - 589 Badalyan, G. V. - 909 Badkov, V. M. - 453, 651 Bakhbukh, M. - 208 Balashov, S. K. - 658 Baranovskii, E. P. - 364, 460 Baskakov, V. A. - 471 Belonogov, V. A. - 191, 1049 Belov, A. S. - 291 Belova, R. V. - 503 Bel'skii, A. A. - 188 Bentkus, V. Yu. - 825 Blinkin, M. Ya. - 318 Boimatov, K. Kh.- 761, 837 Boyanov, B. D. - 551 Brodskii, G. M. - 861 Bronshtein, I. U. - 371 Bryuno, A. D. - 844 Budkina, L. G. - 711 Burago, Yu. D. - 526

C

Cheremnykh, E. V. - 610 Chernetskii, V. A. - 948 Chirka, E. M. - 586 Chirskii, V. G. - 603 Chuburin, Yu. P. - 755 Chugueva, V. N. - 873

D

Davydov, N. A. - 107
Dem'yanenko, V. A. - 1033
Doronin, V. G. - 919
Dubrovin, B. A. - 253
Dzyadyk, V. K. - 999

E

El'shin, M. I. - 149

F

Fedenko, A. S. - 621 Filippov, A. F. - 582 Fomenko, A. T. - 94 Fridlyand, Yu. S. - 1017

G

Gabisoniya, O. D. - 913
Garkavi, A. L. - 827
Gavrilov, N. K. - 953
Geit, V. É. - 101
Godunova, E. K. - 735
Golo, V. - 420
Golovin, V. D. - 339
Gorlov, V. V. - 434
Govorov, V. E. - 678, 789
Grigoryan, Yu. I. - 383
Grinshpon, S. Ya. - 979
Gromov, M. L. - 849
Grusho, A. A. - 633
Gusev, G. I. - 817
Guts, A. K. - 411

1

Il'ina, L. P. - 215 Il'inykh, A. P. - 866 Inoyatova, K. G. - 1093 Iomdin, I. N. - 342 Isaev, G. A. - 333 Ivanov, A. B. - 258 Izrailevich, Ya. A. - 46

K

Kabanov, V. V. - 629 Kallibekov, S. - 958 Kamenev, I. V. - 31 Kanovei, V. - 429 Karatsuba, A. A. - 593 Karaul'naya, L. F. - 74 Kashin, B. S. - 930

Kazachkov, B. V. - 260 Kharlamova, V. I. - 799 Khots, B. S. - 248 Khromov, A. P. - 513 Kirsanova, G. V. - 749 Klebanov, L. B. - 71, 531, 1068 Kobzev, G. N. - 533 Kofner, Ya. A. - 168, 967 Kondrat'ev, V. A. - 1037 Konovalov, G. T. - 346 Kopelevich, N. M. - 793 Korobeinik, Yu. F. - 406 Korsakov, G. F. - 3 Korsakova, O. S. - 158 Kosvintsev, L. F. - 349 Kotov, S. V. - 313 Kovalev, P. I. - 617 Krotov, V. G. - 665 Krutigolova, E. K. - 999 Krylov, P. A. - 870 Kudryashov, S. N. - 219 Kutateladze, S. S. - 33, 985

L

Landkof, N. S. - 1078 Levin, V. I. - 735 Libgober, A. S. - 51 Ligun, A. A. - 389, 563, 919 Linnik, I. Yu. - 1074 Lozanovskii, G. Ya. - 973 Lyantse, V. E. - 175

M

Marchenkov, S. S. - 360 Markalov, Yu. S. - 508 Markov, Al. A. - 711 Martynov, B. V. - 1029 Matveev, G. V. - 416 Mazurov, V. D. - 629, 683 Mel'nik, I. I. - 962 Merzlyakov, Yu. I. - 901 Mikheev, V. L. - 638 Min'kova, R. M. - 87 Mit'kin, D. A. - 597 Mukhamadiev, É. - 39

N

Nagaev, A. V. - 424, 878 Naser, M. - 113 Nasybullin, A. G. - 322 Nepeivoda, N. N. - 439 Nikishin, E. M. - 205, 570

0

Oliker, V. I. - 26 Orlov, I. V. - 446, 575, 1006 Oshanin, S. D. - 57 Ostrovskii, E. I. - 881 Otelbaev, M. - 768, 1043

P

Panferov, V. S. - 936 Pavlotskaya, L. M. - 537 Pavlov, A. I. - 889 Penzin, Yu. G. - 401 Perlova, N. G. - 692 Pinus, A. G. - 67 Poletskikh, V. M. - 263 Ponomarev, S. P. - 671 Popov, V. Yu. - 1085 Positsel'skii, E. D. - 698 Prilepko, A. I. - 990

R

Rakov, S. A. - 613 Razumeiko, R. V. - 124 Reshko, K. A. - 799 Roman'kov, V. A. - 983 Rozanov, Yu. A. - 646 Rusak, V. N. - 299

S

Sabitov, I. Kh. - 854 Sabo, D. - 9

Sadovnichii, V. A. - 717 Sadovskii, B. N. - 39 Salikhov, V. Kh. - 19 Samovol, V. S. - 1037 Sandrakova, E. V. - 701 Sazonov, L. I. - 235 Sebel'din, A. M. - 1057 Sergeev, É. A. - 137 Sesekin, N. F. - 266 Sevast'yanov, E. A. - 303 Shafiro, A. A. - 62 Shavgulidze, E. T. - 180 Shchukin, K. K. - 269 Shevchenko, V. N. - 858 Shikin, E. V. - 707 Shirokov, V. I. - 1023 Shlyk, V. V. - 804 Shmul'yan, Yu. L. - 240, 467 Shokuev, V. N. - 64 Shtraus, V. A. - 183 Shur, M. G. - 355 Sidorov, E. A. - 810 Skvortsov, V. A. - 224, 1011 Smolich, L. I. - 149 Smolyanov, O. G. - 772 Soifer, A. Yu. - 1064 Stark, E. L. - 14 Stechkin, B. S. - 310 Stefanyuk, V. L. - 141 Stepanets, A. I. - 394 Stepin, A. M. - 244 Sudakov, V. N. - 886 Sukhinin, M. F. - 775 Sultanaev, Ya. T. - 768 Syroid, I. P. - 175 Syskin, S. A. - 629, 683

T

Telyakovskii, S. A. - 742 Temirgaliev, N. - 832 Ter-Israelyan, L. A. - 116 Toponogov, V. A. - 526 Tsar'kov, M. Yu. - 164 Tupchiev, V. A. - 152

U

Uglanov, A. V. - 772, 896 Ustinov, Yu. I. - 1052 Utkin, V. I. - 687

V

Vapné, Yu. E. - 780 Vasil'ev, A. I. - 328 Vasil'ev, É. S. - 673 Vasil'ev, R. K. - 274 Verbitskii, B. V. - 228 Veselov, V. M. - 542 Vilenkin, N. Ya. - 281 Vinogradov, A. A. - 787 Vinogradov, V. S. - 724 Vlasov, L. P. - 477 Volodin, A. A. - 240 Vulikh, B. Z. - 158

Y

Yakovlev, A. V. - 943 Yudin, V. A. - 490

\mathbf{z}

Zak, F. L. - 520
Zakharyuta, V. P. - 164
Zavadskii, A. G. - 196
Zav'yalov, Yu. S. - 557
Zelenko, L. B. - 80
Zhensykbaev, A. A. - 130, 483
Zhirov, A. Yu. - 1052
Zinov'ev, A. S. - 923
Zolotukhina, L. A. - 873
Zotikov, S. V. - 281
Zuev, N. M. - 351

MATHEMATICAL NOTES Volumes 13-14, 1973

(A translation of Matematicheskie Zametkii)

VOLUME 13, NUMBER 1, JANUARY, 1973

	Engl./	Russ.
The Number of Roots of a Polynomial Outside a Circle-G. F. Korsakov	3	3
Rearrangements of Summable Numerical Series - D. Sabo	9	13
Poisson's Singular Integral for Lip 1-E. L. Stark	14	21
Differential Equations - V. Kh. Salikhov	19	29
Surfaces-V.I. Oliker	26	41
Nonoscillation Integral Criteria-I. V. Kamenev	31	51
Supremal Generators and the Convergence of Nonexpanding Operators—S.S.Kutateladze An Estimate for the Spectral Radius of an Operator Associated with an Equation	33	55
of Neutral Type-É. Mukhamadiev and B. N. Sadovskii	39	67
The Index of a Semifree Periodic Mapping-Ya, A. Izrailevich	46	79
-A. S. Libgober	51	87
The Signature of SU-Varieties-S. D. Oshanin	57	97
Examples of Locally Finite Groups-A. A. Shafiro	62	103
The Enumeration of Subgroups in Finite p-Groups-V. N. Shokuev	64	107
Countable Indecomposable Dispersed Order Types - A. G. Pinus	67	113
- L. B. Klebanov	71	121
Physics - L. F. Karaul'naya	74	125
with Slowly Varying Coefficients - L. B. Zelenko	80	135
Korovkin Systems for Operators of Class S _m - R. M. Min'kova	87	147
DOCTORAL DISSERTATION The Multidimensional Plateau Problem in Riemannian Varieties - A.T. Fomenko	94	159
VOLUME 13, NUMBER 2, FEBRUARY, 1973		
The Conditions for the Imbedding of the Classes $H_{k,R}^{\omega}$ and $\widetilde{H}_{k,R}^{\omega}$ -V. É. Geit	101	169
Summation of Bounded Sequences by Regular Positive Matrices - N. A. Davydov	107	179
A Generalization of a Theorem of Lewy on Harmonic Mappings-M. Naser	113	189
A Meromorphic Function of Zero Order with Nonasymptotic Defect Value -L. A. Ter-Israelyan	116	195
A Bound for the Error in the Numerical Integration of a First Order Quasilinear		
Equation-R. V. Razumeiko	124	207
Order Splines - A. A. Zhensykbaev	130	217
An Integral Basis for Algebraic Fields-É. A. Sergeev	137	229

	Engl./	Russ
A Theorem on M-Matrices and Its Extensions-V. L. Stefanyuk	141	235
On a Boundary-Value Problem Solvability Condition—M. I. El'shin and L. I. Smolich On the Uniqueness of a Continuous Solution of the Problem of Decay of an Arbitrary	149	247
Discontinuity for a Gradient System-V. A. Tupchiev On Spaces in Which the Norm Convergence Coincides with the Order Convergence	152	251
-B. Z. Vulikh and O. S. Korsakova	158	259
Variable - V. P. Zakharyuta and M. Yu. Tsar'kov	164	269
On Δ -Metrizable Spaces-Ya. A. Kofner	168	277
Independent Variable Is Spectral-V. E. Lyantse and I. P. Syroid	175	289
On the Hypercompleteness of Locally Convex Spaces - E. T. Shavgulidze	180	297
Continuous Hermitian-Indefinite Functions-V. A. Shtraus Integral Rings of Groups of Period Two and Generalizations of Witt Rings-	183	303
-A. A. Bel'skii	188	311
Characterization of Ree-Type Groups by Doubly Primary Subgroups-V.A.Belonogov The Structure of Orders All of Whose Representations Are Completely Decomposable	191	317
-A. G. Zavadskii	196	325
VOLUME 13, NUMBER 3, MARCH, 1973		
On Systems of Convergence in Measure for l_2 -E. M. Nikishin	205	337
Convergence of Double Series - M. Bakhbukh	208	341
Coefficient-L. P. Il'ina	215	351
On Some Criteria for the Univalence of Analytic Functions-S. N. Kudryashov Some Generalizations of Uniqueness Theorems for Series in Walsh Systems	219	359
-V. A. Skvortsov	224	367
-B. V. Verbitskii	228	373
A Bisingular Equation with Translation in the Space L_p-L . I. Sazonov Some Geometrical Questions in Rigged Hilbert Spaces $-A$. A. Volodin and	235	385
Yu. L. Shmul'yan	240	395
Automorphisms-A. M. Stepin	244	403
On Locally Banach Groups—B. S. Khots	248	411
Generalized Witt Groups—B. A. Dubrovin	253	419
in a Euclidean Space—A. B. Ivanov	258	427
A Theorem of the Sylow Type for Infinite Groups-B. V. Kazachkov	260	431
Certain Discreteness Conditions Imposed on Topological Groups-V. M. Poletskikh	263	437
On the Product of Finitely Generated Abelian Groups - N. F. Sesekin	266	443
The Minimal Radical and Weakly Irreducible Groups – K. K. Shchukin On the Order of an Approximation of Functions on Sets of Positive Measure by Linear	269	447
Positive Polynomial Operators—R. K. Vasil'ev	274	457
S. V. Zotikov	281	469
VOLUME 13, NUMBER 4, APRIL, 1973		
Study of Some Trigonometric Series-A. S. Belov	291	481
Estimates of the Derivative of a Rational Function—V. N. Rusak	299	493
-F A Sayastiyanov	303	190

	Engl./	Russ.
Monotonic Subsequences in Permutations of n Natural Numbers—B. S. Stechkin	310	511
Greatest Prime Factor of a Polynomial—S. V. Kotov	313	515
Nonhomogeneous G-Spaces of Compact Lie Groups-M. Ya. Blinkin	318	523
Elliptic Tate Curves over Local F-Extensions-A. G. Nasybullin	322	531
Structure of Balls and Uniqueness Subspaces in a Linear Metric Space-A. I. Vasil'ev	328	541
The Linear Factorization of Polynomial Operator Pencils-G. A. Isaev	333	551
Alexander - Pontryagin Duality in Complex Analysis - V. D. Golovin	339	561
Some Properties of Isolated Singularities of Real Polynomial Mappings-I. N. Iomdin	342	565
Multidimensional Theorem of Shafarevich and Serre-G. T. Konovalov	346	573
Finite Groups with Maximal Element Centralizers-L. F. Kosvintsev	349	577
Bounds of Mixed Semi-Invariants of Random Processes-N. M. Zuev	351	581
Functions Harmonic for a Markov Process-M. G. Shur	355	587
Existence of Families without Positive Numerations—S. S. Marchenkov	360	597
Theorem on L-Partitions of Point Lattices-E. P. Baranovskii	364	605
Birkhoff-Recurrent Solutions to Algebraic Equations-I. U. Bronshtein	371	617
VOLUME 13, NUMBER 5, MAY, 1973		
On Sets of Absolute Convergence for Multiple Trigonometric Series		
- R. A. Avetisyan	377	625
Diameters of Certain Sets in Function Spaces - Yu. I. Grigoryan	383	637
Periodic Functions – A. A. Ligun	389	647
The Approximation of Continuous Periodic Functions of Two Variables by	000	0
Faward Sums – A. I. Stepanets	394	655
Solvability of the Theory of Integers with Addition, Order, and Multiplication		
by an Arbitrary Number – Yu. G. Penzin	401	667
Type of Growth - Yu. F. Korobeinik	406	677
Mappings That Preserve Cones in Lobachevskii Space - A. K. Guts	411	687
Genus of Elements of Orthogonal Groups - G. V. Matveev	416	695
The Maslov-Morse Index of Indefinite Metrics - V. Golo	420	703
Some Limit Theorems for a General Stochastic Model of Epidemics - A. V. Nagaev	424	709
Singular Cardinals - V. Kanovei	429	717
On Congruences in Closed Post Classes - V. V. Gorlov	434	725
A New Concept of Predicative Truth and Definability - N. N. Nepeivoda	439	735
Change of Variable in the One-Dimensional Lebesgue Integral - I, V, Orlov	446	747
Boundedness in the Mean of Orthonormalized Polynomials - V. M. Badkov	453	759
Volumes of L-Simplexes of Five-Dimensional Lattices - E. P. Baranovskii	460	771
Letter to the Editor - Yu. L. Shmul'yan	467	783
VOLUME 13, NUMBER 6, JUNE, 1973		
The Generalization of Some Theorems of P. P. Korovkin on Positive Operators	477	505
-V. A. Baskakov	471	785
The Approximation of Periodic Differentiable Functions by Splines with Respect	477	795
to a Uniform Partition-A. A. Zhensykbaev	483	807
The Approximation of Functions of Many Variables by Their Fejer Sums-V. A. Yudin	490	817
Asymptotic Expansions of Solutions of Equations with a Deviating Argument in Banach		
Space-R. G. Aliev	497	829
Continuous Mappings of Open Sets in a Banach Space—R. V. Belova	503	839
of the Unit Dusk -Yu. S. Markalov	508	849

	Engl./	Russ.
Asymptotic of the Resolvent Series of a Volterra Operator and Its Application		
-A. P. Khromov	513	857
Surfaces with Zero Lefschetz Cycles-F. L. Zak	520	869
and V. A. Toponogov	526	881
of Certain Statistics-L. B. Klebanov	531	889
Pointwise Decomposable Sets—G. N. Kobzev Solvability of the Halting Problem for Certain Classes of Turing Machines	533	893
-L. M. Pavlotskaya	537	899
Systems of Convergence and Divergence in the Spaces C and B-V. M. Veselov	542	911
VOLUME 14, NUMBER 1, JULY, 1973		
Optimal Rate of Integration and &-Entropy of a Class of Analytic Functions - B. D. Boyanov,	551	3
Interpolation by L-Spline Functions of Many Variables-Yu. S. Zav'yalov	557	11
Exact Constants of Approximation for Differentiable Periodic Functions—A. A. Ligun	563	21
Rearrangements of Series in L _D -E. M. Nikishin	570	31
Change of Variables in a Multiple Lebesgue Integral—I. V. Orlov	575	39
Analytic Continuation of Functions of Several Variables—A. F. Filippov	582	49
Approximation by Polynomials on Star-Shaped Subsets of C ⁿ -E. M. Chirka	586	55
Extensions with Archimedean Ramification Points-V. A. Babaitsev	589	61
Lower Estimates of Sums of Polynomial Characters—A. A. Karatsuba	593	67
Estimate of a Sum of Legendre Symbols of Polynomials of Even Degree-D. A. Mit'kin.	597	73
Arithmetic Properties of Values of Analytic Functions Connected by Algebraic Equations		
over Fields of Rational Functions-V. G. Chirskii	603	83
Minimal Extension of a Pseudoresolvent-E. V. Cheremnykh	610	95
Banach Spaces in Which a Theorem of Orlicz Is Not True—S. A. Rakov	613	101
Lie Triple Systems and Affinely Connected Spaces-P. I. Kovalev	617	107
Regular Spaces with Symmetries—A. S. Fedenko	621	113
Demushkin Groups—I. V. Andozhskii	626	121
of Index 2-V. V. Kabanov, V. D. Mazurov, and S. A. Syskin	629	127
Limit Distributions of Certain Characteristics of Random Automaton Graphs		
-A. A. Grusho	633	133
Class of Algebras of Primitive Recursive Functions—V. L. Mikheev	638	143
-Yu. A. Rozanov	646	157
VOLUME 14, NUMBER 2, AUGUST, 1973		
Convergence in the Mean of Fourier Series in Orthogonal Polynomials - V. M. Badkov Asymptote of Some Entire Exponential-Type Functions with Zeros on Spirals	651	161
-S. K. Balashov	658	173
On Series with Respect to the Faber-Schauder System and with Respect to the Bases of the Space C[0, 1]-V. G. Krotov	665	185
The Hausdorff Problem-S. P. Ponomarev	671	
Elementary Theories of Complete Torsion-Free Abelian Groups with p-Ary Topology		197
-É. S. Vasil'ev	673	201
On the Dimension of Graded Algebras - V. E. Govorov	678	209
Finite Groups with Special Sylow 2-Subgroups - V. D. Mazurov and S. A. Syskin	683	217
Extensions of Closed Dissipative Operators-V. I. Utkin	687	223
On Some Second-Order Rigidity Conditions for Analytic Surfaces-N. G. Perlova	692	233
Characterizations of Steiner Points - E. D. Positsel'skii	698	243

Solution of a Problem Due to Bing=E, V, Sandrakova		Engl.,	/Russ.
-E. V. Shikin. 707 261 On F-Semigroups with Three Generators - L. G. Budkina and Al. A. Markov. 711 267 Regularized Sums of Half-Integer Powers of a Sturm-Llouville Operator - V. A. Sadovnichii 717 279 OCTORAL DISSERTATION Investigation of Boundary Value Problems for Elliptic Systems of First Order - V. S. Vinogradov 724 291 VOLUME 14, NUMBER 3, SEPTEMBER, 1973 Sharpening Certain Cyclic Inequalities - E. K. Godunova and V. I. Levin. 735 305 Concerning a Sufficient Condition of Sidon for the Integrability of Trigonometric Series - S. A. Telyakovskii . 742 317 Relations between Upper Bounds of Absolute Values of Functions and Their Higher Derivatives - G. V. Kirsanova. 749 329 On Upper and Lower Values of a Generalized Function at a Point-Yu. P. Chuburin. 755 339 Separation Properties for Sturm-Llouville Operators - K. K. Bolimatov 761 349 On the Formula for the Distribution of the Eigenvalues of Singular Differential Operators - M. Olebaev and Ya. T. Sultanaev 768 361 Every Hilbert Subspace of a Wiener Space Has Measure Zero-O, G. Smolyanov and A. V. Itglanov 772 369 Conditional Extrema of Functionals in Topological Linear Spaces - M. F. Sukhinin. 775 375 Matrix Representability of Nilpotent Products of Groups - Yu. E. Vapné. 780 383 Nonaxiomatizability of Directionally Ordered Groups in the Class of Nontrivially Partially Ordered Groups - A. A. Vinogradov 787 395 On the Global Dimension of an Algebra-V. E. Govorov 789 399 Homological Determinacy of the p-Adic Representations of Nonsemisimple Rings with Power Basis - N. M. Kopelevich 789 419 On the Intersection of Maximal Subgroups in Finite Groups - V. V. Shlyk 804 429 Topological Transitivity of Cylindrical Cascades - E. A. Sidorov 810 441 On a Hypothesis on Poincaré Series - G. I. Gusev 827 469 Conditions under Which Higher Derivatives Belong to the Classes \$\psi L \ V. Lumi Finite Group - K. A. Reshko and V. I. Kharlamova 827 469 Conditions under Which Higher Derivatives Belong to the Classes \$\psi L \ V. Temirgaliev 94 469 Conditions under Which Higher Der		701	249
On F-Semigroups with Three Generators = I. G. Budkina and Al. A. Markov. 711 267 Regularized Sums of Half-Integer Powers of a Sturm-Liouville Operator -V. A. Sadovnichii 717 279		7.07	001
DOCTORAL DISSERTATION Investigation of Boundary Value Problems for Elliptic Systems of First Order -V. S. Vinogradov	On F-Semigroups with Three Generators - L. G. Budkina and Al. A. Markov	711	267
Nestigation of Boundary Value Problems for Elliptic Systems of First Order		717	279
Sharpening Certain Cyclic Inequalities—E. K. Godunova and V. I. Levin			
Sharpening Certain Cyclic Inequalities—E. K. Godunova and V. I. Levin	-V.S. Vinogradov	724	291
Concerning a Sufficient Condition of Sidon for the Integrability of Trigonometric Series -S. A. Telyakovskii	VOLUME 14, NUMBER 3, SEPTEMBER, 1973		
Relations between Upper Bounds of Absolute Values of Functions and Their Higher Derivatives—G, V. Kirsanova. 749 749 749 749 749 749 749 749 749 74		735	305
Derivatives—G, V, Kirsanova. On Upper and Lower Values of a Generalized Function at a Point—Yu. P. Chuburin. 759 339 Separation Properties for Sturm—Ljouville Operators—K, Kh, Boimatov. 761 349 On the Formula for the Distribution of the Eigenvalues of Singular Differential Operators—M, Otelbaev and Ya. T. Sultanaev. 768 361 Fevry Hilbert Subspace of a Wiener Space Has Measure Zero—O, G, Smolyanov and A. V. Uglanov. 772 369 Conditional Extrema of Functionals in Topological Linear Spaces—M. F. Sukhinin. 775 780 375 Matrix Representability of Nilpotent Products of Groups—Yu. E. Vapné. 780 383 Nonaxiomatizability of Directionally Ordered Groups in the Class of Nontrivially Partially Ordered Groups—A. A. Vinogradov 787 395 On the Global Dimension of an Algebra—V. E. Govorov. 789 399 Homological Determinacy of the p-Adic Representations of Nonsemisimple Rings with Power Basis—N, M. Kopelevich 793 407 The p-Length of an Arbitrary Finite Group—K. A. Reshko and V. I. Kharlamova. 799 419 On the Intersection of Maximal Subgroups in Finite Groups—V. V. Shlyk. 804 429 Topological Transitivity of Cylindrical Cascades—E. A. Sidorov 810 841 On a Hypothesis on Poincaré Series—G. I. Gusev 827 The Fourier Transformation of Functions Defined on a Hilbert Space—V. Yu. Bentkus. 827 469 Conditions under Which Higher Derivatives Belong to the Classes $\varphi(L)$ —N. Temirgaliev Asymptote of the Eigenvalues of a Completely Continuous Sperator—K, Kh. Boimatov. 840 441 Asymptote of the Eigenvalues of a Completely Continuous Operator—K, Kh. Boimatov. 841 842 Asymptote of the Eigenvalues of Revolution—I. Kh. Sabitov 740 The Uniqueness of the Solution of Integral Equations of the First Kind—Yu. E. Anikonov 843 Apple Degenerate Smooth Mappings—M. L. Gromov 740 The Dual Description of a Cone Integer—Valuedly—Generated by a Finite Set of Vectors 741 742 743 744 754 755 755 757 756 757 757 757 758 759 757 757 757 757 757 757 757 757 758 758	-S. A. Telyakovskii	742	317
On Upper and Lower Values of a Generalized Function at a Point-Yu. P. Chuburin. 755 339 Separation Properties for Sturm—Liouville Operators—K, Kh. Bolmatov. 761 349 On the Formula for the Distribution of the Eigenvalues of Singular Differential Operators—M. Otelbaev and Ya. T. Sultanaev. 768 361 Every Hilbert Subspace of a Wiener Space Has Measure Zero—O. G. Smolyanov and A. V. Uglanov. 772 369 Conditional Extrema of Functionals in Topological Linear Spaces—M. F. Sukhinin. 775 375 Matrix Representability of Nilpotent Products of Groups—Yu. E. Vapné. 780 383 Nonaxiomatizability of Directionally Ordered Groups —Yu. E. Vapné. 787 395 On the Global Dimension of an Algebra—V. E. Govorov. 789 399 Homological Determinacy of the p-Adic Representations of Nonsemisimple Rings with Power Basis—N. M. Kopelevich. 793 407 The p-Length of an Arbitrary Finite Group—K. A. Reshko and V. I. Kharlamova. 799 419 On the Intersection of Maximal Subgroups in Finite Groups—V. V. Shlyk. 804 429 Topological Transitivity of Cylindrical Cascades—E. A. Sidorov. 810 441 On a Hypothesis on Poincaré Series—G. I. Gusev. 817 453 The Conditional Chebyshev Center of a Compact Set of Continuous Functions —A. L. Garkavi 827 469 Conditions under Which Higher Derivatives Belong to the Classes $\varphi(L)$ —N. Temirgaliev. 827 469 Conditions under Which Higher Derivatives Belong to the Classes $\varphi(L)$ —N. Temirgaliev 832 479 Asymptote of the Eigenvalues of a Completely Continuous Operator—K. Kh. Boimatov. 840 493 Local Invariants of Differential Equations—A. D. Bryuno. 840 493 Local Invariants of Differential Equations—A. D. Bryuno. 841 499 Degenerate Smooth Mappings—M. L. Gromov 849 509 The Rigidity of "Corrugated" Surfaces of Revolution—I. Kh. Sabitov 854 517 The Dual Description of a Cone Integer-Valuedly—Generated by a Finite Set of Vectors—V. N. Shevchenko 856 535 A Characterization of a Finite Simple Hall—Janko Group—A. P. Il'inykh 866 535			
Separation Properties for Sturm-Liouville Operators – K. Kh. Boimatov		749	329
On the Formula for the Distribution of the Eigenvalues of Singular Differential Operators—M. Otelbaev and Ya. T. Sultanaev Total A. V. Uglanov and A. V. Uglanov Total A. V. Uglanov Conditional Extrema of Functionals in Topological Linear Spaces—M. F. Sukhinin Total Sassa Nonaxiomatizability of Nilpotent Products of Groups—Yu. E. Vapné Matrix Representability of Directionally Ordered Groups in the Class of Nontrivially Partially Ordered Groups—A. A. Vinogradov Total Global Dimension of an Algebra—V. E. Govorov Total Global Dimension of an Algebra—V. E. Govorov Homological Determinacy of the p-Adic Representations of Nonsemisimple Rings with Power Basis—N. M. Kopelevich Total P-Length of an Arbitrary Finite Group—K. A. Reshko and V. I. Kharlamova Topological Transitivity of Cylindrical Cascades—E. A. Sidorov Non the Intersection of Maximal Subgroups in Finite Groups—V. V. Shlyk On the Intersection of Maximal Subgroups in Finite Groups—V. V. Shlyk VOLUME 14, NUMBER 4, OCTOBER, 1973 The Fourier Transformation of Functions Defined on a Hilbert Space—V. Yu. Bentkus VOLUME 14, NUMBER 4, OCTOBER, 1973 The Fourier Which Higher Derivatives Belong to the Classes \(\psi(L) \) -N. Temirgaliev N. Temirgaliev Asymptote of the Eigenvalues of a Completely Continuous Operator—K. Kh. Boimatov 832 479 Asymptote of the Eigenvalues of a Completely Continuous Operator—K. Kh. Boimatov 834 499 Degene rate Smooth Mappings—M. L. Gromov The Uniqueness of the Solution of Integral Equations of the First Kind—Yu. E. Anikonov 849 509 The Rigidity of "Corrugated" Surfaces of Revolution—I. Kh. Sabitov 854 557 The Dual Description of a Cone Integer-Valuedly—Generated by a Finite Set of Vectors -V. N. Shevchenko 858 523 Torsions in Modules—G. M. Brodskii. 861 527 A Characterization of a Finite Simple Hall—Janko Group—A. P. Il'inykh 866 535		755	339
Every Hilbert Subspace of a Wiener Space Has Measure Zero-O. G. Smolyanov and A. V. Uglanov	On the Formula for the Distribution of the Eigenvalues of Singular Differential	761	349
Conditional Extrema of Functionals in Topological Linear Spaces – M. F. Sukhinin	Operators - M. Otelbaev and Ya. T. Sultanaev	768	361
Matrix Representability of Nilpotent Products of Groups $-$ Yu. E. Vapné		772	369
Nonaxiomatizability of Directionally Ordered Groups in the Class of Nontrivially Partially Ordered Groups – A. A. Vinogradov	Conditional Extrema of Functionals in Topological Linear Spaces - M. F. Sukhinin	775	375
Partially Ordered Groups $-$ A. A. Vinogradov	Matrix Representability of Nilpotent Products of Groups-Yu. E. Vapné	780	383
On the Global Dimension of an Algebra $-$ V. E. Govorov			
Homological Determinacy of the p-Adic Representations of Nonsemisimple Rings with Power Basis – N. M. Kopelevich	Partially Ordered Groups - A. A. Vinogradov	787	395
The p-Length of an Arbitrary Finite Group-K. A. Reshko and V. I. Kharlamova		789	399
On the Intersection of Maximal Subgroups in Finite Groups-V. V. Shlyk	Power Basis-N. M. Kopelevich	793	407
Topological Transitivity of Cylindrical Cascades—E. A. Sidorov		799	419
On a Hypothesis on Poincaré Series – G. I. Gusev	On the Intersection of Maximal Subgroups in Finite Groups - V. V. Shlyk	804	429
	Topological Transitivity of Cylindrical Cascades - E. A. Sidorov	810	441
The Fourier Transformation of Functions Defined on a Hilbert Space $-$ V. Yu. Bentkus. 825 465 The Conditional Chebyshev Center of a Compact Set of Continuous Functions $-$ A. L. Garkavi	On a Hypothesis on Poincaré Series-G. I. Gusev	817	453
The Conditional Chebyshev Center of a Compact Set of Continuous Functions $-A.\ L.\ Garkavi$	VOLUME 14, NUMBER 4, OCTOBER, 1973		
$-A.\ L.\ Garkavi$		825	465
-N. Temirgaliev	-A. L. Garkavi	827	469
Asymptote of the Eigenvalues of a Completely Continuous Operator—K.Kh.Boimatov. 837 487 The Uniqueness of the Solution of Integral Equations of the First Kind—Yu.E.Anikonov 840 493 Local Invariants of Differential Equations—A. D. Bryuno. 844 499 Degenerate Smooth Mappings—M. L. Gromov 849 509 The Rigidity of "Corrugated" Surfaces of Revolution—I. Kh. Sabitov 854 517 The Dual Description of a Cone Integer-Valuedly-Generated by a Finite Set of Vectors—V. N. Shevchenko 858 523 Torsions in Modules—G. M. Brodskii 861 527 A Characterization of a Finite Simple Hall—Janko Group—A. P. Il'inykh 866 535		832	479
The Uniqueness of the Solution of Integral Equations of the First Kind-Yu.E.Anikonov Local Invariants of Differential Equations-A. D. Bryuno			
Local Invariants of Differential Equations—A. D. Bryuno			
Degenerate Smooth Mappings – M. L. Gromov			
The Rigidity of "Corrugated" Surfaces of Revolution—I. Kh. Sabitov			
-V. N. Shevchenko	The Rigidity of "Corrugated" Surfaces of Revolution-I. Kh. Sabitov		
Torsions in Modules – G. M. Brodskii		858	523
A Characterization of a Finite Simple Hall-Janko Group-A. P. Il'inykh 866 535			
	Extension of Isomorphisms in Abelian p-Groups-P. A. Krylov		

	Engl./	Russ.
The Central Limit Theorem for a Certain Class of Random Fields-L. A. Zolotukhina	070	E 10
and V. N. Chugueva Some Comments on Multidimensional Local Limit Theorems—A. V. Nagaev	873	549
	878	559
Convergence of a Canonical Expansion for Normal Fields - E. I. Ostrovskii	881	565
The Existence of Probability Measures with Specified Projections - V. N. Sudakov The Growth on a Positive Ray of Entire Functions with Real Taylor Coefficients	886	573
-A. I. Pavlov	889	577
A Property of the Spaces Lp-A. V. Uglanov	896	589
DOCTORAL DISSERTATIONS		
Studies in the Matrix Representability of Abstract Groups and in Matrix Groups -Yu. I. Merzlyakov	901	597
VOLUME 14, NUMBER 5, NOVEMBER, 1973		
A Modification of the Uniqueness Criterion for the Solution of the Watson Problem for		4.000
a Half-Plane-G. V. Badalyan	909	609
Points of Strong Summability of Fourier Series - O. D. Gabisoniya	913	615
-V. G. Doronin and A. A. Ligun	919	627
-A. S. Zinov'ev	923	633
Stability of Unconditional Convergence Almost Everywhere - B. S. Kashin	930	645
Cantor-Lebesgue Theorem for Double Trigonometric Series-V. S. Panferov	936	655
Symmetric Cubature Formulas for a Truncated Octahedron-A. V. Yakovlev Boundary-Value Problem of Carleman with a Noninvolutory Shift-A. V. Aizenshtat	943	667
and V. A. Chernetskii	948	677
-N. K. Gavrilov	953	687
Truth Tabular Degrees of Recursively Enumerable Sets-S. Kallibekov	958	697
Nilpotent Shifts on Manifolds-I. I. Mel'nik	962	703
Symmetrizable Spaces and Factor Mappings-Ya. A. Kofner	967	713
Certain Numerical Characteristics of KN-Lineals-Yu. A. Abramovich and		
G. Ya. Lozanovskii	973	723
Primary Abelian Groups with Isomorphic Endomorphism Groups-S. Ya. Grinshpon	979	733
An Embedding Theorem for Polycyclic Groups-V. A. Roman'kov	983	741
-S. S. Kutateladze	985	745
Reports Delivered at a General Meeting of the Mathematics Division, Academy of		
Sciences of the USSR. Inverse Problems of Potential Theory (Elliptic, Parabolic,		
Hyperbolic, and Transport Equations) - A. I. Prilepko	990	755
,		
VOLUME 14, NUMBER 6, DECEMBER, 1973		
The Representation of Analytic Functions by Dirichlet Series at the Boundary of the		
Convergence Domain-V. K. Dzyadyk and E. K. Krutigolova	999	769
A Class of Lacunary Trigonometric Series-E. V. Orlov	1006	781
Uniqueness Sets for Multiple Haar Series-V. A. Skvortsov	1011	789
An Irremovable Carleman Singularity for Haar's System-Yu. S. Fridlyand	1017	799
(i)-Convergence and Its Application to a Sequence of Functions-V. I. Shirokov Three-Dimensional Manifolds with Hyperplane Sections Which are Ruled Surfaces	1023	809
-B. V. Martynov	1029	821
Local Factorization of the Coordinates of Torsion Points-V. A. Dem'yanenko	1033	827

The Linearization of an Autonomous System in the Neighborhood of a "Node"-Type		
Singular Point-V. A. Kondrat'ev and V. S. Samovol	1037	833
The Distribution of Eigenvalues of the Dirac Operator-M. Otelbaev	1043	843
Finite Groups with Biprimary Subgroups of a Definite Form-V. A. Belonogov	1049	853
Topological Entropy of One-Dimensional Williams Solenoids - A. Yu. Zhirov and		
Yu. I. Ustinov	1052	859
Complete Direct Sums of Abelian Torsion-free Groups of Rank 1 with Isomorphic		
Groups or Rings of Endomorphisms. I - A. M. Sebel'din	1057	867
A Theorem on Direct Expansions of Abelian Groups-A. Yu. Soifer	1064	879
Inadmissibility of Polynomial Estimates of the Shift Parameter-L. B. Klebanov	1068	885
A Spatial Generalization of a Theorem on Toeplitz Operators-I. Yu. Linnik	1074	895
Some Remarks on Stable Stochastic Processes and $lpha$ -Superharmonic Functions		
-N.S. Landkof	1078	901
Best Mean-Square Approximation of Functions of m Variables - V. Yu. Popov	1085	913
Approximation of Arithmetic Sums by Linear Operators - K. G. Inoyatova	1093	925
INDEX		
Author Index, Volumes 13-14, 1973	1103	
Tables of Contents, Volumes 13-14, 1973	1105	



